

What is Claimed is:

1. A digital information signal recording method comprising the steps of:

5 converting a synchronizing signal, control signal, and input data word of p bits into a code word of q bits based on a coding table;

10 continuously arranging, in a state of a plurality of frames, modulation signals of a unit of one frame obtained by NRZI-converting a string of code words connected to one another while strictly keeping a predetermined run length limitation rule and an error correction code to constitute data for copy prevention; and

15 recording the data for copy prevention and a $p-q$ modulated digital information signal on a recording medium,

wherein the error correction code of the data for copy prevention is beforehand set to the same value as that of an error correction code at a copy time, which is added in copying a reproduction signal of the data for copy prevention 20 onto another recording medium, and the string of code words of the data for copy prevention is beforehand coded to be error-correctable by the error correction code beforehand set to the same value as that of the error correction code 25 at the copy time.

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2. The digital information signal recording method according to claim 1, wherein the string of code words of the data for copy prevention after the copy is coded so that DSV control fails at a reproduction time of the other recording 30 medium, when the reproduction signal of the data for copy prevention obtained by correcting an error by the error correction code beforehand set to the same value as that of the error correction code at the copy time is copied on the other recording medium.

3. The digital information signal recording method according to claim 1, wherein the string of code words of the data for copy prevention after the copy is coded on the other recording medium so that a DSV value is largely biased toward a minus side over the plurality of frames, and thereafter the DSV value is largely biased toward a plus side over the plurality of frames, and this is alternately repeated, and the DSV control accordingly fails at the reproduction time of the other recording medium, when the reproduction signal of the data for copy prevention obtained by correcting an error by the error correction code beforehand set to the same value as that of the error correction code at the copy time is copied on the other recording medium.

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4. The digital information signal recording method according to claim 1, wherein the string of code words of the data for copy prevention is beforehand coded so that the DSV control can be performed as usual at a time when the string of code words of the data for copy prevention is error-corrected by the error correction code beforehand set to the same value as that of the error correction code at the copy time.

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5. A recording medium on which the data for copy prevention and p-q modulated digital information signal are recorded by the digital information signal recording method according to claim 1.